# Aura E/PO Working Group Report
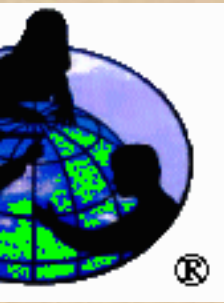
Brooke L. Carter
Aura Science Team Meeting
October 1-5 2007

# E/PO Goals

- Develop "roadmap" for E/PO efforts
- Establish comprehensive portfolio for Spring 2009 Senior Review
- Expand collaboration between instrument data & outreach specialists
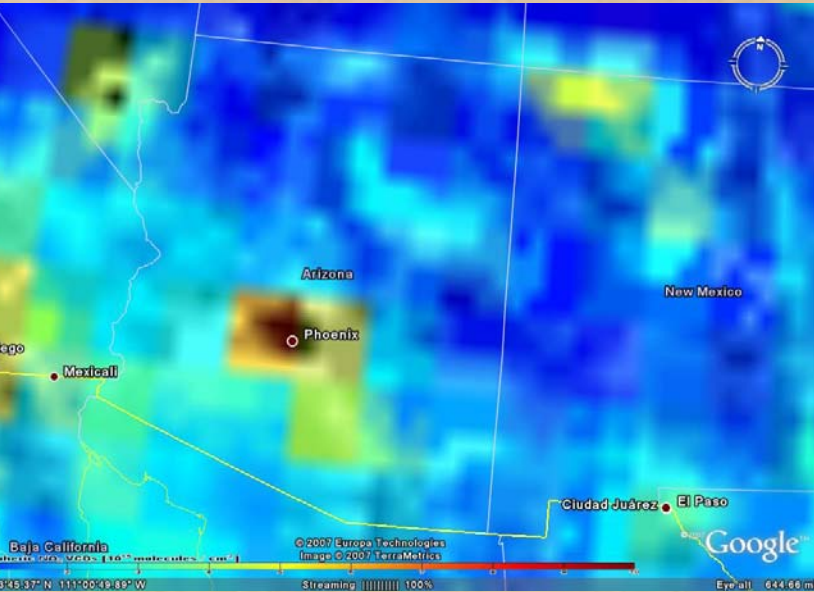
# Formal Education Programs



- GLOBE aerosol campaigns for OMI validation
  - Aerosol Optical Thickness measured
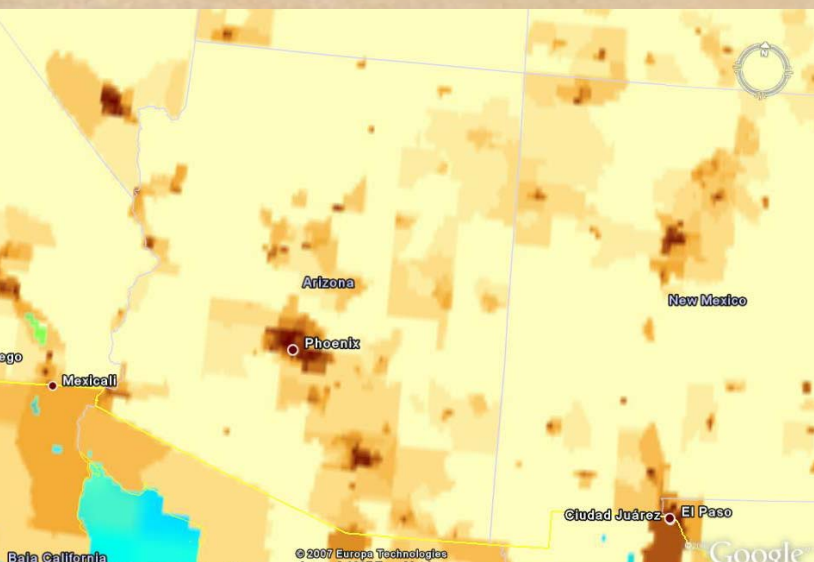  - Data are compared with OMI measurements
  - Campaigns happen 2x year

# Formal Ed Programs, Cont'd

- Aura Data in the classroom

  - Data processed in format useful for educators and studer[...]

  - Lessons written to teach students how t[...] use data

  - OMI NO2 data in u[...] TES data being

# Formal/Informal Programs

- Aura Ozone Monitoring Garden Network
  - Plants used as bio-indicators of elevated $O_3$ levels
  - Observed over growing season
  - Used for awareness of AQ issues

# formal Education Programs

- Outreach at informal venues (eg GSFC Visitor Center)

- Air quality program for Science on a Sphere in development

- "Change is in the Air" exhibit at National Museum of Natural History

- Earth Today display at National Air and Space Museum

# Available Resources- Sp '09 Portfolio

- Videos, animations
  - interviews with project scientists
  - animations explaining main concepts
- Data, data, data!
  - Visualization (images, movies)
  - Classroom use

# Challenges

Limited Resources - mainly manpower

- Mitigated by leveraging existing program (EET, MY NASA DATA) that have established distribution networks

Data processing

- Communication is key!

# Action Items

- Get all Aura data products in a useable format for general public and education communities (.kml for Google Earth)

- Identify key areas where effort can make the most impact (digital world)

- Evaluate existing programs for effectiveness/scientific integrity